

SECTION 2

Special Terms and Conditions

2.1 **PURPOSE**

The purpose of this solicitation is to purchase one (1) portable, diesel powered, pre-conditioned air unit; one (1) portable, diesel powered 180 KVA ground power unit; and one (1) portable, diesel powered 90 KVA ground power unit through a single solicitation for the Miami-Dade County Aviation Department.

2.2 **TERM OF CONTRACT**

This contract shall commence upon the date of the purchase order and shall remain in effect until such time as all items purchased in conjunction with this Invitation To Bid, have been delivered and accepted by the County's authorized representative and upon completion of the expressed warranty period.

2.3 **METHOD OF AWARD**

Award(s) will be made on an item-by-item basis to the lowest responsive, responsible Bidder(s) who submits the lowest price for the item(s) being awarded.

If the awarded Bidder fails to perform in accordance with the terms and conditions of this contract, the Bidder may be deemed in default. If the awarded Bidder defaults, the County shall have the right to negotiate with the next lowest responsive, responsible Bidder.

2.4 **"EQUAL" PRODUCT**

A manufacturer's name, brand name and/or model number information contained in this solicitation are being used for the sole purpose of establishing the minimum requirement of level of quality, standard of performance and design, and is in no way intended to prohibit the offer of another manufacturer's products of equal material unless otherwise indicated herein.

This specific solicitation requires submission of the following documentation to enable County evaluation of "equal" products:

1. Product Information Sheets

If an "equal" product is considered by the County, the product shall be equal in quality and standards of performance to the product specified in the solicitation. Where an "or equal" product is offered, and product information sheets are required, the initial offer must be accompanied with two (2) complete sets of product information sheets (such as factory specifications, standard manufacturer information sheets, catalogues, and brochures). If requested by the County, two (2) copies of performance test results of the unit offered as an equal shall be provided. Also for product information submittals, all supporting documentation submitted by the Bidder must demonstrate how the product meets the required specifications set forth in this solicitation. Where the standard product literature

submitted with the offer provides information that does not comply with the specifications, the Bidder shall state, in an official letter on corporate letterhead as part of their initial offer, the differences between the product they are specifically offering, and the product(s) described by the standard product literature, to substantiate compliance to all of the specifications set forth in this solicitation. In such cases, any offer submitted with standard product literature but without the letter explaining compliance may result in the rejection of the offer for not meeting the solicitation specifications.

The County shall be sole judge of equality, based on the best interests of the County, and its decision in this regard shall be final. Miami-Dade County reserves the right to request and review additional information to make such a determination.

2.5 DELIVERY

The Bidder shall make deliveries within one hundred twenty (120) calendar days after the date of the order. All deliveries shall be made in accordance with good commercial practice and all required delivery timeframes shall be adhered to by the Bidder; except in such cases where the delivery will be delayed due to acts of nature, strikes, or other causes beyond the control of the Bidder. In these cases, the bidder shall notify the County of the delays in advance of the original delivery date so that a revised delivery schedule can be appropriately considered by the County.

Should the Bidder to whom the contract is awarded fail to deliver in the number of days stated above, the County reserves the right to cancel the contract on a default basis. If the contract is so terminated, it is hereby understood and agreed that the County has the authority to purchase the equipment elsewhere and to charge the incumbent Bidder with any re-procurement costs.

Units to be delivered to: Miami International Airport

4331 NW 22 Street, Bldg. 3040

Miami, FL 33102

Monday through Friday (excluding holidays)

Between the hours of 8:00 am - 2:00 pm

2.6 PACKING SLIP/DELIVERY TICKET TO ACCOMPANY ITEMS DURING DELIVERY

The awarded Bidder(s) shall enclose a complete packing slip or delivery ticket with any items to be delivered in conjunction with this bid solicitation. The packing slip shall be attached to the shipping carton(s) which contain the items and shall be made available to the County's authorized representative during delivery. The packing slip or delivery ticket shall include, at a minimum, the following information: purchase order number; date of order; and a complete listing of items and quantities being delivered.

2.7 INSURANCE REQUIREMENT

The insurance shown in Section 1 paragraph 1.22 does not apply to this solicitation.

2.8 WARRANTY

The Bidder(s) shall supply a copy of the manufacturer's and/or supplier's certificates of warranty with its bid submittal. If written warranty is not provided in the bid submittal, the Bidder(s) may be given the opportunity to submit this document to the County during the bid evaluation period in its best interest. The warranty certificates shall provide a comprehensive liability of all components which are covered under the standard warranty. Under no circumstances shall the County accept a standard warranty period of less than twelve (12) months from the date of acceptance of the equipment. The warranty supplied by the Bidder(s) shall remain in force for the full period identified by the bidder; regardless of whether the Bidder is under contract with the County at the time of defect. Any payment by the County on behalf of the goods or services received from the bidder does not constitute a waiver of these warranty provisions.

SECTION 3

TECHINICAL SPECIFICATIONS

3.1 **SCOPE**

The Miami-Dade County Aviation Department, hereinafter referred to as the County, is requesting to purchase one (1) portable, diesel powered pre-conditioned air unit (PCA), one (1) portable, diesel powered 180 KVA ground power unit (GPU), and one (1) portable, diesel powered 90 KVA ground power unit (GPU). This equipment will provide portable 400 HZ ground power and pre-conditioned air to planes at the gates on CCJ. This will provide the County with the flexibility to maximize the use of existing gates and to effectively manage gate reassignments. Due to one (1) such gate reassignment, the County is in immediate need of the following pieces of equipment. This equipment must have the ability to provide service to the following passenger type aircraft: Airbus 340, Boeing 737, Boeing 787, Boeing 747-400, and Boeing 777.

3.2 **MINIMUM REQUIREMENTS**

- A. The PCA shall be the ACU-802 manufactured by TLD or equal and meet the following specifications:
- Dual PCA output with two (2) 50' hoses with aircraft connectors
 - Cooling capacity of 115 tons
 - Airflow of single outlet 400lb/min
 - Airflow for double outlet 700lb/min
 - Unit must be mounted on a trailer with a fifth wheel to be easily maneuvered around the aircraft
 - Rotary screw compressor
 - Direct drive system
 - R134 refrigerant
 - Filter dryer and desiccant cartridge
 - ASME receiver for refrigerant
 - 127 gallon diesel fuel tank or 10 hours of operation
 - Side and rear bumpers
 - Fuel filter water separator with engine heater
 - Low fuel warning and/or shutdown system with red or amber flashing or rotating beam
 - Engine block heater 120 or 240 VAC
 - Refrigeration gauge package
- B. The GPU shall be the 180CU20 manufactured by Hobart or equal and meet the following specifications:
- Dual 400 HZ GPU with two (2) 30' single jacketed cables and aircraft connectors
 - Diesel engine operating at 2000 RPM
 - Intake manifold pre-heater for cold weather starting
 - HP 325 (180 KVA)

- Electronic governor system (via the engine's ECM)
 - Low oil pressure, high coolant temperature, battery voltmeter, hour meter, oil pressure, fuel level
 - Engine Buttons: engine start, engine stop, panel lights, pre-heater
 - Generator meters: frequency, amp meter, voltmeter
 - Generator Buttons: Phase select, output contractor control, fault reset
 - Fault code displays for engine faults: air cleaner restriction, high coolant temperature, low oil pressure, low fuel, and low coolant warning
 - Voltage regulation 1% no load to full load, voltage adjustment 15V
 - Maximum line drop condensation 5%
 - Individual harmonic distortion <2% & total harmonic distortion <3% of RMS voltage
 - Voltage and frequency transients must meet MIL-STD-704F and SAE ARP5015A
 - Phase voltage balance not to exceed 1% on a 3-phase
 - Frequency regulation 2HZ steady rate
 - Generator over voltage disconnects output between 124-126 V in 1 sec and disconnects output at 180V L-N in 50MS
 - Under voltage disconnect output <100 V L-N in 7 secs
 - Over Frequency disconnects output >420 HZ in 5 secs
 - Under Frequency disconnects output <380 HZ in 7 secs
 - Generator overload >125% rated load for 5 mins, >150% for 30 secs, >200 for 10 secs, >210 for 2 secs, and individual outputs 325 amps, 5 mins
 - Low fuel beacon, block heater and forklift pockets
- C. The GPU shall be the 4400 Series 90 KVA manufactured by Hobart or equal and meet the following specifications:
- Single 400 HZ GPU with one (1) 30' single jacketed cables and aircraft connectors
 - Diesel engine operating at 2,000 RPM
 - Intake manifold pre-heater for cold weather starting
 - HP 171 (90 KVA)
 - Low oil pressure, high coolant temperature, and low coolant level shutdowns
 - Intake air restriction indicator and low fuel warning
 - Instrumentation to include engine data, output power data, and fault data
 - Voltage regulation 1% no load to full load, voltage adjustment 15V
 - Maximum line drop condensation 5%
 - Individual harmonic distortion <2% & total harmonic distortion <3% of RMS voltage
 - Voltage and frequency transients must meet MIL-STD-704F and SAE ARP5015A
 - Phase voltage balance not to exceed 1% on a 3-phase
 - Frequency regulation 2 HZ steady rate
 - Voltage and frequency transients must meet MIL-STD-704F, SAE ARP5015A, and ISO 6858
 - Overload 80% and 100% load at PF>0.8-10 and >0.7-0.8 continuous
 - 100% load at PF>0.8-10 – 5 mins
 - 53 gallon fuel tank or 8 hours run time
 - Low fuel beacon, block heater, and forklift pockets and tow bar with parking brake